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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/824,567

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Min-Jye Chen

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07/21/2006

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EXAMINER

WANG, ALBERT C

ART UNIT

PAPER NUMBER

2115

DATE MAILED: 07/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/824,567	Applicant(s) CHEN ET AL.	
	Examiner Albert Wang	Art Unit 2115	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

1. Original claims 1-12 are pending.

Claim Objections

2. Claim 9 is objected to because of the following informalities: "a second power outlet" is interpreted as "a second power port". Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 3-6, 8, 9, 11 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Chang, U.S. Patent No. 4,886,979.

As per claim 1, Chang discloses a power line for connecting a monitor and a power supply of a computer, the monitor having a first power port (monitor MN3 with plug S1), and the power supply having a second power port (col. 3, lines 17-31, internal switching power supply inherently has power port that connects to 4-pin connecting component PW), the power line comprising:

a main body with a first end and a second end (between terminals 41&42 and 43&44 within second power source means CN2);

a first connector disposed on the first end of the main body (socket S2); and

a second connector disposed on the second end of the main body (4-pin connecting component PW), wherein the monitor is supplied with a direct current (DC) from the power

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supply of the computer after the first connector is plugged into the first power port of the monitor and the second connector is plugged into the second power port so as to electrically connect the first power port of the monitor with the second power port of the power supply via the power line (col. 3, lines 31-40).

As per claim 3, Chang discloses power is supplied from the second power port to the first power port (col. 3, lines 31-40).

As per claim 4, Chang discloses the computer comprises an add-on card port bracket with a hole for receiving the main body, so that the power line penetrates the add-on card port bracket through the hole and electrically connects the monitor to the computer (metal anchoring plate K).

As per claim 5, Chang teaches a display system, comprising:

a monitor with a first power port (monitor MN3 with plug S1);

a computer having a power supply with a second power port (col. 3, lines 17-31, internal switching power supply of computer PC3 inherently has power port that connects to 4-pin connecting component PW); and

a power line for connecting the monitor and the power supply of the computer so as to supply the monitor a direct current (DC) from the power supply, the power line comprising:

a main body having a first end and a second end (between terminals 41&42 and 43&44 within second power source means CN2);

a first connector disposed on the first end of the main body (socket S2); and

a second connector disposed on the second end of the main body (4-pin connecting component PW), wherein the monitor is supplied with the direct current (DC) from the power

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supply of the computer after the first connector is plugged into the first power port of the monitor and the second connector is plugged into the second power port so as to electrically connect the first power port of the monitor with the second power port of the power supply via the power line (col. 3, lines 31-40).

As per claim 6, Chang discloses the computer comprises an add-on card port bracket with a hole for receiving the main body, so that the power line penetrates the add-on card port bracket through the hole and electrically connects the monitor to the computer (metal anchoring plate K).

As per claim 8, Chang discloses power is supplied from the second power port to the first power port (col. 3, lines 31-40).

As per claim 9, Chang discloses a monitor connected with a power supply of a computer, the monitor comprising:

- a first power port (monitor MN3 with plug S1); and

- a power line for connecting the computer and the monitor, the power supply having a second power port (col. 3, lines 17-31, internal switching power supply of computer PC3 inherently has power port that connects to 4-pin connecting component PW), and the power line comprising:

 - a main body with a first end and a second end (between terminals 41&42 and 43&44 within second power source means CN2);

 - a first connector disposed on the first end of the main body to connect with the first power port of the monitor (socket S2); and

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a second connector disposed on the second end of the main body to connect with the second power port of the computer (4-pin connecting component PW), wherein the monitor is supplied with a direct current (DC) from the power supply of the computer after the first connector is plugged into the first power port of the monitor and the second connector is plugged into the second power port so as to electrically connect the first power port of the monitor with the second power port of the power supply via the power line (col. 3, lines 31-40).

As per claim 11, Chang discloses power is supplied from the second power port to the first power port (col. 3, lines 31-40).

As per claim 12, Chang discloses the computer comprises an add-on card port bracket with a hole for receiving the main body, so that the power line penetrates the add-on card port bracket through the hole and electrically connects the monitor to the computer (metal anchoring plate K).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2, 7, and 10 rejected under 35 U.S.C. 103(a) as being unpatentable over Chang as applied to claims 1, 5, and 9 above, and further in view of Milan, U.S. Patent No. 6,905,374.

As per claims 2, 7, and 10, while it is standard for DC power supplies to provide outputs such as 5V and 12V, Chang does not expressly teach providing the monitor with 12V direct current. Milan teaches supplying 12V DC from the internal power supply of a computer to an

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external peripheral (col. 12, lines 13-41). At the time of the invention, it would have been obvious for one of ordinary skill in the art to supply 12V DC to the monitor, as 12V is a standard output.

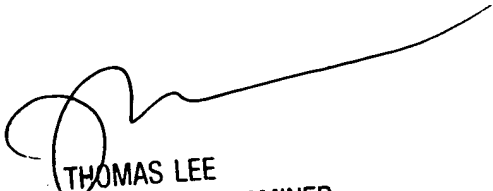
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Albert Wang whose telephone number is 571-272-3669. The examiner can normally be reached on M-F (9:30 - 6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas C. Lee can be reached on 571-272-3667. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AW



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